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NATIONAL COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

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WEEKLY REPORT

Week Ending May 6, 1967

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL

DOCUMENTS DEPT. UNIVERSITY OF FLORIDA JUN 1967

EPIDEMIOLOGIC NOTES AND REPORTS

SALMONELLOSIS – New York, New Jersey, Connecticut, Maine

A kosher imitation ice cream has been implicated as the cause of 14 outbreaks of febrile gastroenteritis in New York, New Jersey, Connecticut, and Maine during the first 3 weeks in April 1967. Each outbreak occurred one to 3 days after a catered banquet at which kosher food was served. Of approximately 3,300 persons who attended the banquets, an estimated 1,800 persons (54 percent) developed diarrhea, abdominal pain or cramps, fever, chills, headache, nausea, and vomiting. The median duration of illness was 3 days. There were no deaths.

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Salmonella typhi-murium was recovered from stool specimens from 12 persons who represented six of the banquets. Results of additional stool cultures are pending.

Comparison of menus from initial outbreaks demonstrated that an imitation ice cream was the only food item common to all menus. Food histories from persons who

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CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	18th WEEK ENDED		MEDIAN 1962 - 1966	CUMULATIVE, FIRST 18 WEEKS		
	MAY 6, 1967	MAY 7, 1966		1967	1966	MEDIAN 1962 - 1966
Aseptic meningitis	28	27	26	523	491	491
Brucellosis	2	–	5	71	67	118
Diphtheria	3	1	3	38	51	74
Encephalitis, primary:						
Arthropod-borne & unspecified	29	23	- - -	432	439	- - -
Encephalitis, post-infectious	19	9	- - -	282	294	- - -
Hepatitis, serum	45	29	755	680	445	16,156
Hepatitis, infectious	769	608		14,218	12,218	
Malaria	29	9	2	690	100	30
Measles (rubeola)	2,355	8,257	17,338	42,132	134,318	229,338
Meningococcal infections, total	51	100	75	1,063	1,794	1,193
Civilian	45	92	- - -	981	1,574	- - -
Military	6	8	- - -	82	220	- - -
Poliomyelitis, total	1	–	1	6	7	24
Paralytic	–	–	1	5	6	19
Rubella (German measles)	1,719	1,782	- - -	22,630	26,483	- - -
Streptococcal sore throat & scarlet fever	10,423	8,822	8,769	214,646	206,724	193,259
Tetanus	2	2	4	53	37	68
Tularemia	5	1	2	49	52	70
Typhoid fever	6	5	7	115	97	112
Typhus, tick-borne (Rky. Mt. spotted fever)	10	1	1	23	11	9
Rabies in animals	96	84	95	1,605	1,605	1,605

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	1	Rabies in man:	–
Botulism:	–	Rubella, Congenital Syndrome:	1
Leptospirosis: La.-1	12	Trichinosis: N.Y. Up-State-1	30
Plague:	–	Typhus, murine: Texas-1	9
Psittacosis: Conn.-1	12	Polio, Unsp: Cal.-1	1

SALMONELLOSIS – New York, New Jersey, Connecticut, Maine

(Continued from front page)

attended the banquets implicated this non-dairy product as the source of the outbreak. It is estimated that 60,000 servings of this frozen dessert, which is manufactured by a single business in New York City, were produced and distributed during the first 3 weeks in April. Cultures from the "ice cream" left over from the banquets yielded *S. typhi-murium.* Environmental cultures of the plant and employee stool cultures were negative for salmonellae. Cultures were taken of all of the ingredients of the "ice cream." All were negative except the frozen egg yolks, which yielded *S. typhi-murium.*

The frozen egg yolks are an unpasteurized product of a New York City egg-breaking plant. Environmental cultures at the plant have revealed several serotypes of salmonella including *S. typhi-murium.* Employee stool cultures yielded only one positive for salmonella, but this was not *S. typhi-murium.*

Action taken by the New York City Health Department officials resulted in temporary suspension of operation by the "ice-cream" and the egg-breaking plant. All imitation ice cream manufacturers in the City have been placed under the milk code which will require production of a certified pathogen-free product. The incriminated egg-breaking plant has agreed to pasteurize its raw egg products. Joint action taken by the City Health Department, state officials, and the U.S. Food and Drug Administration resulted in the recovery or destruction of several thousand servings of the contaminated "ice cream." Further epidemiologic and laboratory studies are in progress.

(Reported by Dr. Harald T. Fuerst, Assistant Commissioner of Health, Preventable and Chronic Disease Services, City of New York Department of Health; Mr. Weimes Clevenger, New York District Director, Food and Drug Administration; Dr. Julia L. Freitag, Director, Office of Epidemiology, New York State Department of Health; Dr. Barbara W. Christine, Chief, Epidemiology Section, Connecticut State Department of Health; Dr. W.J. Dougherty, Director, Division of Preventable Diseases, New Jersey State Department of Health; Dr. Dean H. Fisher, Commissioner, Maine Department of Health, and Welfare; and a team from NCDC.)

SURVEILLANCE SUMMARY
SALMONELLOSIS – January, February, and March 1967

For the months of January, February, and March 1967, the total numbers of salmonellae reported from human sources were 1,435, 1,184, and 1,411, respectively. The weekly averages for the 3 months (359, 296, and 282, respectively) have consistently decreased, demonstrating the expected seasonal pattern (Figure 1). The age and sex distributions were similar to those of previous months. In Table 1, the seven most frequently reported serotypes from human sources for the first 3 months of 1967 are shown.

Figure 1

REPORTED HUMAN ISOLATIONS OF SALMONELLAE IN THE UNITED STATES

AVERAGE NUMBER OF ISOLATIONS PER WEEK
600
500
400
300
200
100
0
J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D
1963
1964
1965
1966
1967

Reports of 979 nonhuman isolations represented by 63 serotypes were received from 35 states in January. The total number of reported nonhuman isolations dropped to 771 in February; 68 serotypes were represented in the reports from 36 states. In March, 882 nonhuman isolations represented by 56 serotypes were reported from 34 states. The seven most commonly reported nonhuman serotypes and their sources are listed by month in Table 2.

(Reported by the Salmonella Unit, Bacterial Diseases Section, Epidemiology Program, NCDC.)

Table 1
Seven Most Frequently Reported Serotypes from Human Sources
January, February, and March 1967

Serotypes	January			February			March		
	Rank	Number	Percent	Rank	Number	Percent	Rank	Number	Percent
S. typhi-murium & S. typhi-murium var. *copenhagen*	1	171	32.8	1	347	29.3	1	414	29.3
S. heidelberg	2	117	8.2	2	106	9.0	2	142	10.1
S. saint-paul	3	86	6.0	7	53	4.5	7	49	3.5
S. newport	4	82	5.7	4	65	5.5	5	63	4.5
S. infantis	5	62	4.3	6	55	4.6	3	88	6.2
S. enteritidis	6	44	3.1	3	68	5.7	4	70	5.0
S. typhi	7	41	2.9	5	62	5.2	6	54	3.8
Total		903	63.0		756	63.8		880	62.4
Total all serotypes		1,435			1,184			1,411	

Table 2
Seven Most Frequently Reported Serotypes from Nonhuman Sources
January, February, and March 1967

Serotypes	January			February			March		
	Rank	Number	Percent	Rank	Number	Percent	Rank	Number	Percent
S. typhi-murium & S. typhi-murium var. *copenhagen*	1	129	13.2	2	52	6.7	1	106	12.0
S. derby	2	64	6.5	1*	135	17.5	2	94	10.7
S. cubana	3	58	5.9	6	34	4.4			
S. heidelberg	4	52	5.3	4	40	5.2	3	54	6.1
S. anatum	5	52	5.3	3	43	5.6	5	49	5.6
S. infantis	6	51	5.2	5	35	4.5	4	51	5.8
S. alachua	7	46	4.7						
S. montevideo				7	32	4.2			
S. tennessee							6	35	4.0
S. newington							7	34	3.9
Total		452	46.1		371	48.1		423	48.0
Total all serotypes		979			771			882	
	Most Common Sources of Nonhuman Isolations								
Swine	1	208	21.2	1	220	28.5	2	136	15.4
Turkey	2	140	14.3	2	92	11.9	1	166	18.8
Chicken	3	101	10.3	4	68	8.8	4	81	9.2
Livestock feed	4	54	5.5	5	64	8.3			
Dry milk	5	51	5.2	3	83	10.8	3	98	11.1
Bone meal & meat scraps							5	62	7.0

**Salmonella derby* ranks first in February due to 115 isolations from swine reported by Louisiana

CURRENT TRENDS
MEASLES – 1967

The number of reported measles cases (49,538) for the first 28 weeks of the 1966-67 epidemiologic year (October 9, 1966, through April 22, 1967) represents an almost threefold decrease from the 141,073 cases of the preceding year (Figure 2). However, the usual seasonal

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CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MAY 6, 1967 AND MAY 7, 1966 (18th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			
					Primary including unsp. cases		Post-Infectious	Serum		Infectious	
	1967	1966	1967	1967	1967	1966	1967	1967	1966	1967	1966
UNITED STATES...	28	27	2	3	29	23	19	45	29	769	608
NEW ENGLAND.....	1	-	-	-	3	1	-	-	-	25	31
Maine.....	-	-	-	-	-	-	-	-	-	5	4
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	1	-
Massachusetts.....	-	-	-	-	2	1	-	-	-	7	20
Rhode Island.....	1	-	-	-	1	-	-	-	-	1	3
Connecticut.....	-	-	-	-	-	-	-	-	-	11	4
MIDDLE ATLANTIC.....	5	2	-	-	2	4	6	23	12	184	121
New York City.....	-	1	-	-	1	1	-	18	9	43	22
New York, Up-State.	2	-	-	-	-	-	2	3	-	37	25
New Jersey.....	2	1	-	-	1	2	-	-	2	70	38
Pennsylvania.....	1	-	-	-	-	1	4	2	1	34	36
EAST NORTH CENTRAL...	3	7	-	-	9	5	5	-	2	120	80
Ohio.....	1	1	-	-	5	3	-	-	1	19	19
Indiana.....	-	-	-	-	1	2	-	-	-	19	2
Illinois.....	1	5	-	-	2	-	4	-	-	37	26
Michigan.....	1	-	-	-	-	-	1	-	1	39	27
Wisconsin.....	-	1	-	-	1	-	-	-	-	6	6
WEST NORTH CENTRAL...	1	-	2	1	-	-	1	-	-	62	49
Minnesota.....	1	-	-	-	-	-	-	-	-	17	5
Iowa.....	-	-	2	-	-	-	-	-	-	9	16
Missouri.....	-	-	-	-	-	-	-	-	-	26	17
North Dakota.....	-	-	-	-	-	-	-	-	-	4	-
South Dakota.....	-	-	-	-	-	-	1	-	-	1	1
Nebraska.....	-	-	-	1	-	-	-	-	-	3	5
Kansas.....	-	-	-	-	-	-	-	-	-	2	5
SOUTH ATLANTIC.....	4	2	-	-	5	6	1	2	3	73	73
Delaware.....	3	1	-	-	-	-	-	-	-	7	4
Maryland.....	-	-	-	-	-	-	1	-	-	13	13
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	1
Virginia.....	-	-	-	-	3	2	-	-	-	8	7
West Virginia.....	1	-	-	-	-	4	-	-	-	9	-
North Carolina.....	-	1	-	-	1	-	-	2	2	3	10
South Carolina.....	-	-	-	-	-	-	-	-	-	-	1
Georgia.....	-	-	-	-	1	-	-	-	-	17	11
Florida.....	-	-	-	-	-	-	-	-	1	16	26
EAST SOUTH CENTRAL...	1	2	-	-	-	2	1	1	-	43	59
Kentucky.....	-	-	-	-	-	-	-	-	-	12	11
Tennessee.....	-	-	-	-	-	1	1	-	-	16	24
Alabama.....	1	1	-	-	-	-	-	1	-	-	17
Mississippi.....	-	1	-	-	-	1	-	-	-	15	7
WEST SOUTH CENTRAL...	5	1	-	2	3	1	-	4	1	79	57
Arkansas.....	-	-	-	-	-	1	-	-	-	2	7
Louisiana.....	1	-	-	-	2	-	-	3	-	7	15
Oklahoma.....	-	-	-	-	-	-	-	-	-	10	-
Texas.....	4	1	-	2	1	-	-	1	1	60	35
MOUNTAIN.....	-	1	-	-	1	3	-	-	-	16	19
Montana.....	-	-	-	-	-	-	-	-	-	2	1
Idaho.....	-	-	-	-	-	-	-	-	-	1	4
Wyoming.....	-	-	-	-	-	-	-	-	-	2	-
Colorado.....	-	-	-	-	1	1	-	-	-	3	-
New Mexico.....	-	-	-	-	-	-	-	-	-	1	8
Arizona.....	-	1	-	-	-	2	-	-	-	5	5
Utah.....	-	-	-	-	-	-	-	-	-	1	1
Nevada.....	-	-	-	-	-	-	-	-	-	1	-
PACIFIC.....	8	12	-	-	6	1	5	15	11	167	119
Washington.....	-	1	-	-	-	1	2	-	-	8	5
Oregon.....	-	1	-	-	1	-	-	-	-	17	17
California.....	8	9	-	-	5	-	3	15	11	140	96
Alaska.....	-	-	-	-	-	-	-	-	-	2	-
Hawaii.....	---	1	---	---	---	-	---	---	-	---	1
Puerto Rico	-	1	-	-	-	1	-	-	-	9	25

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MAY 6, 1967 AND MAY 7, 1966 (18th WEEK) - CONTINUED

AREA	MALARIA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS			RUBELLA
			Cumulative			Cumulative		Total	Paralytic		
	1967	1967	1967	1966	1967	1967	1966	1967	1967	Cum. 1967	1967
UNITED STATES...	29	2,355	42,132	134,318	51	1,063	1,794	1	-	5	1,719
NEW ENGLAND.....	-	17	501	1,546	5	46	79	-	-	-	145
Maine.....	-	-	121	166	-	2	7	-	-	-	18
New Hampshire.....	-	-	69	33	-	1	7	-	-	-	10
Vermont.....	-	-	35	204	-	-	3	-	-	-	14
Massachusetts.....	-	8	187	586	4	23	31	-	-	-	31
Rhode Island.....	-	4	31	66	1	2	7	-	-	-	4
Connecticut.....	-	5	58	491	-	18	24	-	-	-	68
MIDDLE ATLANTIC.....	5	101	1,399	14,981	14	164	198	-	-	2	81
New York City.....	1	18	244	7,407	2	26	30	-	-	1	35
New York, Up-State.	-	21	319	1,699	5	41	55	-	-	-	45
New Jersey.....	1	27	336	1,555	5	66	56	-	-	-	-
Pennsylvania.....	3	35	500	4,320	2	31	57	-	-	1	1
EAST NORTH CENTRAL...	2	253	3,414	49,486	6	118	267	-	-	-	350
Ohio.....	-	19	571	4,573	3	44	73	-	-	-	41
Indiana.....	2	39	414	3,411	-	15	44	-	-	-	20
Illinois.....	-	74	558	9,462	2	25	52	-	-	-	24
Michigan.....	-	31	714	8,277	1	25	72	-	-	-	118
Wisconsin.....	-	90	1,157	23,763	-	9	26	-	-	-	147
WEST NORTH CENTRAL...	1	96	1,853	6,343	2	45	96	-	-	-	106
Minnesota.....	-	8	92	1,449	-	9	24	-	-	-	8
Iowa.....	-	42	460	3,610	-	9	13	-	-	-	83
Missouri.....	-	6	135	381	-	11	38	-	-	-	-
North Dakota.....	1	27	669	831	-	-	4	-	-	-	4
South Dakota.....	-	1	46	4	-	6	3	-	-	-	-
Nebraska.....	-	12	451	68	2	8	7	-	-	-	11
Kansas.....	-	NN	NN	NN	-	2	7	-	-	-	-
SOUTH ATLANTIC.....	11	176	4,777	10,248	6	205	288	-	-	1	110
Delaware.....	-	5	32	152	-	5	3	-	-	-	4
Maryland.....	2	4	85	1,522	1	26	29	-	-	1	18
Dist. of Columbia..	-	-	12	338	1	6	7	-	-	-	-
Virginia.....	1	77	1,494	1,080	2	18	40	-	-	-	17
West Virginia.....	-	53	907	3,771	-	16	10	-	-	-	35
North Carolina.....	7	14	760	185	2	43	62	-	-	-	-
South Carolina.....	-	8	352	471	-	19	39	-	-	-	9
Georgia.....	1	-	23	192	-	33	42	-	-	-	-
Florida.....	-	15	1,112	2,537	-	39	56	-	-	-	27
EAST SOUTH CENTRAL...	-	212	4,130	14,983	4	99	159	-	-	-	111
Kentucky.....	-	8	1,073	4,085	-	29	69	-	-	-	33
Tennessee.....	-	57	1,401	8,850	2	41	47	-	-	-	77
Alabama.....	-	134	1,050	1,279	1	18	32	-	-	-	1
Mississippi.....	-	13	606	769	1	11	11	-	-	-	-
WEST SOUTH CENTRAL...	-	595	14,348	16,231	8	161	270	-	-	2	16
Arkansas.....	-	3	1,351	528	3	19	15	-	-	-	-
Louisiana.....	-	17	104	74	-	59	106	-	-	-	-
Oklahoma.....	-	6	3,216	365	-	10	12	-	-	1	-
Texas.....	-	569	9,677	15,264	5	73	137	-	-	1	16
MOUNTAIN.....	2	262	3,175	7,775	1	21	65	-	-	-	158
Montana.....	-	33	237	1,155	-	-	4	-	-	-	4
Idaho.....	-	9	319	747	-	1	4	-	-	-	-
Wyoming.....	-	1	21	100	-	-	3	-	-	-	1
Colorado.....	2	88	879	783	-	10	35	-	-	-	68
New Mexico.....	-	22	478	686	-	3	9	-	-	-	-
Arizona.....	-	78	723	3,998	-	2	8	-	-	-	85
Utah.....	-	18	261	282	1	3	-	-	-	-	-
Nevada.....	-	13	257	24	-	2	2	-	-	-	-
PACIFIC.....	8	643	8,535	12,725	5	204	372	1	-	-	642
Washington.....	1	300	4,081	2,162	-	20	24	-	-	-	141
Oregon.....	-	118	1,138	914	-	17	24	-	-	-	18
California.....	7	224	3,139	9,511	5	158	307	1	-	-	461
Alaska.....	-	1	97	61	-	8	14	-	-	-	22
Hawaii.....	---	---	80	77	---	1	3	---	---	-	---
Puerto Rico.....	-	79	1,445	1,673	-	8	4	-	-	-	1

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MAY 6, 1967 AND MAY 7, 1966 (18th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967
UNITED STATES...	10,423	2	53	5	49	6	115	10	23	96	1,605
NEW ENGLAND.....	1,829	-	-	-	-	-	I	-	-	1	41
Maine.....	128	-	-	-	-	-	-	-	-	1	9
New Hampshire.....	8	-	-	-	-	-	-	-	-	-	25
Vermont.....	83	-	-	-	-	-	-	-	-	-	7
Massachusetts.....	212	-	-	-	-	-	1	-	-	-	-
Rhode Island.....	123	-	-	-	-	-	-	-	-	-	-
Connecticut.....	1,275	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	625	-	5	-	-	1	14	-	-	-	32
New York City.....	22	-	3	-	-	1	9	-	-	-	-
New York, Up-State.	562	-	1	-	-	-	3	-	-	-	23
New Jersey.....	NN	-	-	-	-	-	1	-	-	-	-
Pennsylvania.....	41	-	1	-	-	-	1	-	-	-	9
EAST NORTH CENTRAL...	830	-	2	1	6	1	10	1	3	8	131
Ohio.....	153	-	-	-	-	1	4	-	2	6	63
Indiana.....	51	-	-	-	1	-	-	1	1	1	21
Illinois.....	197	-	2	1	5	-	1	-	-	1	21
Michigan.....	256	-	-	-	-	-	4	-	-	-	4
Wisconsin.....	173	-	-	-	-	-	1	-	-	-	22
WEST NORTH CENTRAL...	555	-	1	-	10	-	2	-	-	19	342
Minnesota.....	5	-	1	-	-	-	-	-	-	3	68
Iowa.....	172	-	-	-	1	-	2	-	-	1	37
Missouri.....	22	-	-	-	3	-	-	-	-	3	78
North Dakota.....	178	-	-	-	-	-	-	-	-	5	59
South Dakota.....	15	-	-	-	-	-	-	-	-	3	49
Nebraska.....	46	-	-	-	-	-	-	-	-	1	22
Kansas.....	117	-	-	-	6	-	-	-	-	3	29
SOUTH ATLANTIC.....	1,234	-	12	2	7	1	15	5	10	14	223
Delaware.....	33	-	-	-	-	-	-	-	-	-	-
Maryland.....	566	-	-	-	-	-	1	-	-	-	-
Dist. of Columbia..	20	-	-	-	-	-	1	-	-	-	-
Virginia.....	211	-	3	-	-	-	2	2	2	12	120
West Virginia.....	276	-	-	-	1	-	1	-	-	2	38
North Carolina.....	19	-	4	-	-	-	2	3	7	-	1
South Carolina.....	10	-	-	-	2	1	3	-	-	-	-
Georgia.....	7	-	1	I	3	-	I	-	1	-	41
Florida.....	92	-	4	1	1	-	4	-	-	-	23
EAST SOUTH CENTRAL...	1,185	1	14	-	6	-	12	2	3	19	384
Kentucky.....	121	-	-	-	1	-	4	2	2	3	73
Tennessee.....	879	1	7	-	4	-	4	-	1	15	281
Alabama.....	142	-	5	-	-	-	4	-	-	1	28
Mississippi.....	43	-	2	-	1	-	-	-	-	-	2
WEST SOUTH CENTRAL...	690	1	11	1	12	-	17	-	2	30	313
Arkansas.....	1	-	3	-	1	-	3	-	-	8	51
Louisiana.....	4	-	1	-	2	-	11	-	-	2	30
Oklahoma.....	99	-	-	1	6	-	-	-	2	10	80
Texas.....	586	1	7	-	3	-	3	-	-	10	152
MOUNTAIN.....	1,791	-	-	1	7	1	15	2	3	1	42
Montana.....	52	-	-	-	1	-	1	-	-	-	-
Idaho.....	92	-	-	-	-	-	-	-	-	-	-
Wyoming.....	58	-	-	1	2	-	-	-	-	-	-
Colorado.....	965	-	-	-	1	-	11	2	3	-	5
New Mexico.....	198	-	-	-	-	-	-	-	-	-	9
Arizona.....	261	-	-	-	-	1	3	-	-	1	28
Utah.....	160	-	-	-	3	-	-	-	-	-	-
Nevada.....	5	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	1,684	-	8	-	1	2	29	-	2	4	97
Washington.....	433	-	-	-	-	-	-	-	-	-	-
Oregon.....	128	-	-	-	-	-	-	-	-	-	1
California.....	1,071	-	6	-	1	2	26	-	2	4	96
Alaska.....	52	-	-	-	-	-	-	-	-	-	-
Hawaii.....	---	---	2	---	-	---	3	---	-	---	-
Puerto Rico.....	4	-	3	-	-	-	4	-	-	2	16

Week No. 18

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED MAY 6, 1967

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over		
NEW ENGLAND:	749	467	35	44
Boston, Mass.	255	150	15	19
Bridgeport, Conn.	50	33	4	6
Cambridge, Mass.	30	21	1	-
Fall River, Mass.	24	14	-	-
Hartford, Conn.	54	24	2	3
Lowell, Mass.	33	23	2	2
Lynn, Mass.	21	16	-	-
New Bedford, Mass.	25	20	1	1
New Haven, Conn.	60	37	1	3
Providence, R. I.	50	33	3	2
Somerville, Mass.	15	9	1	3
Springfield, Mass.	40	28	2	1
Waterbury, Conn.	43	31	-	1
Worcester, Mass.	49	28	3	3
MIDDLE ATLANTIC:	3,261	1,906	116	140
Albany, N. Y.	57	37	2	1
Allentown, Pa.	39	24	1	3
Buffalo, N. Y.	160	90	5	7
Camden, N. J.	42	28	2	2
Elizabeth, N. J.	34	22	3	2
Erie, Pa.	39	28	2	1
Jersey City, N. J.	62	40	2	2
Newark, N. J.	80	42	1	4
New York City, N. Y.	1,679	977	57	72
Paterson, N. J.	41	25	1	4
Philadelphia, Pa.	489	261	13	32
Pittsburgh, Pa.	165	80	4	5
Reading, Pa.	46	33	-	-
Rochester, N. Y.	112	82	11	1
Schenectady, N. Y.	30	20	2	-
Scranton, Pa.	32	21	2	-
Syracuse, N. Y.	52	32	1	-
Trenton, N. J.	32	18	5	4
Utica, N. Y.	33	23	-	-
Yonkers, N. Y.	37	23	2	-
EAST NORTH CENTRAL:	2,473	1,407	80	127
Akron, Ohio	65	44	-	5
Canton, Ohio	60	37	4	3
Chicago, Ill.	726	371	28	37
Cincinnati, Ohio	158	96	4	10
Cleveland, Ohio	197	96	1	15
Columbus, Ohio	116	63	4	12
Dayton, Ohio	70	48	-	3
Detroit, Mich.	356	206	5	13
Evansville, Ind.	42	26	2	-
Flint, Mich.	31	16	2	5
Fort Wayne, Ind.	33	19	2	-
Gary, Ind.	47	22	6	2
Grand Rapids, Mich.	57	42	9	-
Indianapolis, Ind.	146	85	3	9
Madison, Wis.	28	15	-	2
Milwaukee, Wis.	113	63	1	4
Peoria, Ill.	24	17	-	2
Rockford, Ill.	30	20	3	1
South Bend, Ind.	29	19	1	1
Toledo, Ohio	92	66	5	1
Youngstown, Ohio	53	36	-	2
WEST NORTH CENTRAL:	854	508	31	50
*Des Moines, Iowa	58	38	3	3
Duluth, Minn.	25	16	-	1
Kansas City, Kans.	37	25	2	5
Kansas City, Mo.	125	76	3	7
Lincoln, Nebr.	35	20	1	-
Minneapolis, Minn.	103	61	2	10
Omaha, Nebr.	65	36	3	6
St. Louis, Mo.	257	144	11	11
St. Paul, Minn.	77	51	3	3
Wichita, Kans.	72	41	3	4
SOUTH ATLANTIC:	1,125	620	48	43
Atlanta, Ga.	123	54	6	9
Baltimore, Md.	247	140	7	8
Charlotte, N. C.	56	29	-	3
Jacksonville, Fla.	68	33	3	4
Miami, Fla.	93	58	1	6
Norfolk, Va.	44	17	3	1
Richmond, Va.	84	50	3	3
Savannah, Ga.	35	15	1	2
St. Petersburg, Fla.	76	69	5	1
Tampa, Fla.	80	44	10	2
Washington, D. C.	167	84	7	3
Wilmington, Del.	52	27	2	1
EAST SOUTH CENTRAL:	637	336	38	41
Birmingham, Ala.	95	44	1	4
Chattanooga, Tenn.	44	23	7	3
Knoxville, Tenn.	46	30	2	2
Louisville, Ky.	131	79	15	2
Memphis, Tenn.	149	67	5	22
Mobile, Ala.	51	33	2	3
Montgomery, Ala.	36	23	4	1
Nashville, Tenn.	85	37	2	4
WEST SOUTH CENTRAL:	1,057	533	45	77
Austin, Tex.	46	26	1	5
Baton Rouge, La.	16	8	-	1
Corpus Christi, Tex.	37	26	-	4
Dallas, Tex.	149	70	4	13
El Paso, Tex.	35	20	2	4
Fort Worth, Tex.	62	33	3	5
Houston, Tex.	204	90	11	13
Little Rock, Ark.	45	26	2	1
New Orleans, La.	147	72	9	7
Oklahoma City, Okla.	97	54	-	3
San Antonio, Tex.	106	56	2	9
Shreveport, La.	46	23	4	5
Tulsa, Okla.	67	29	7	7
MOUNTAIN:	416	258	30	16
Albuquerque, N. Mex.	32	21	11	1
Colorado Springs, Colo.	21	13	3	1
Denver, Colo.	116	69	8	6
Ogden, Utah	20	11	-	-
Phoenix, Ariz.	101	60	4	5
Pueblo, Colo.	18	13	2	-
Salt Lake City, Utah	57	36	-	3
Tucson, Ariz.	51	35	2	-
PACIFIC:	1,604	976	43	59
Berkeley, Calif.	19	14	-	1
Fresno, Calif.	47	30	-	3
Glendale, Calif.	35	20	-	-
Honolulu, Hawaii	51	23	1	8
Long Beach, Calif.	67	45	3	1
Los Angeles, Calif.	508	311	13	17
Oakland, Calif.	71	41	2	6
Pasadena, Calif.	31	17	-	1
Portland, Oreg.	124	85	4	2
Sacramento, Calif.	72	40	-	5
San Diego, Calif.	101	62	6	2
San Francisco, Calif.	177	102	1	4
San Jose, Calif.	46	31	3	1
Seattle, Wash.	149	81	5	5
Spokane, Wash.	67	49	3	1
Tacoma, Wash.	39	25	2	2
Total	12,176	7,011	466	597

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	231,602
All Causes, Age 65 and over	133,921
Pneumonia and Influenza, All Ages	9,192
All Causes, Under 1 Year of Age	11,626

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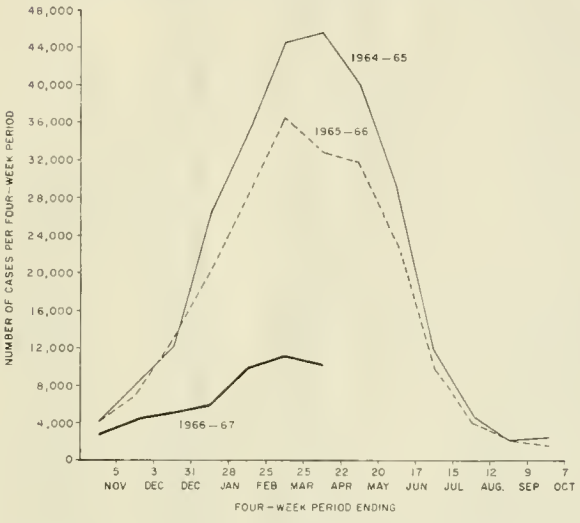
MEASLES – 1967

(Continued from page 143)

Figure 2
REPORTED MEASLES BY FOUR-WEEK PERIODS, UNITED STATES EPIDEMIOLOGIC YEAR, 1966-67 COMPARED WITH 1964-65 AND 1965-66



increase in the late winter and early spring months was noted. In the previous two years the marked seasonal rise started in December, whereas the greatest increment in the current year came in February. The seasonal peak for 1966-67 seems to have leveled out at about 10,000 cases per 4-week period during the early spring months.

During the week ending May 6, 2,355 cases of measles were reported – 77 fewer than the preceding week. Measles was virtually absent (17 cases) from New England. Decreases from the preceding week's totals were noted in the South Atlantic and West South Central regions. The largest numbers of cases were reported from Texas and Washington, 569 and 300, respectively. Alabama notified a greater than fourfold increase over the preceding week's total.

(Reported by the Childhood Viral Diseases Unit, Epidemiology Program, NCDC.)

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 17,000, IS PUBLISHED AT THE NATIONAL COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

DIRECTOR, NATIONAL COMMUNICABLE DISEASE CENTER — DAVID J. SENCER, M.D.
CHIEF, EPIDEMIOLOGY PROGRAM — A.D. LANGMUIR, M.D.
ACTING CHIEF, STATISTICS SECTION — IDA L. SHERMAN, M.S.

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THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
NATIONAL COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

U.S. DEPARTMENT OF
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BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL
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